

Refine Search

Search Results -

Terms	Documents
L9 and ((intramolecular adj chain adj segment) or (intramolecular adj segment) or (intermolecular adj chain adj segment) or (intermolecular adj homogeneous) or (intramolecularly adj homogeneous))	9

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L10

Search History

 DATE: Tuesday, February 08, 2005 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L10</u>	L9 and ((intramolecular adj chain adj segment) or (intramolecular adj segment) or (intermolecular adj chain adj segment) or (intermolecular adj homogeneous) or (intramolecularly adj homogeneous))	9	<u>L10</u>
<u>L9</u>	4804794	74	<u>L9</u>
<u>L8</u>	L7 and ((intramolecular adj distribution) or (intramolecular adj heterogeneous adj chan) or (intramolecular adj heterogeneous adj segment) or (heterogeneous adj chain adj segment) or (intramolecular adj heterogeneous adj composition adj distribution) or (intramolecular adj homogeneous adj segment) or (homogeneous adj intramolecular adj segment) or (slope adj intramolecular adj chain adj segment))	2	<u>L8</u>
<u>L7</u>	L6 and (lubricating adj oil)	28	<u>L7</u>
<u>L6</u>	L5 and ((viscosity adj index adj improver) or (viscosity adj modifier) or	28	<u>L6</u>

	(viscosity adj improver) or (VI adj improver))		
<u>L5</u>	L4 and (ethylene adj content)	72	<u>L5</u>
<u>L4</u>	L3 and ((narrow adj molecular adj weight adj distribution) or (Narrow adj MWD) or (low adj molecular adj weight adj distribution) or (low adj MWD) or (molecular adj weight adj distribution) or MWD or (Mw/Mn))	72	<u>L4</u>
<u>L3</u>	L2 and ((different adj ethylene adj content) or (ethylene adj content) or (first and second adj ethylene adj content) or (higher and low adj ethylene adj content))	119	<u>L3</u>
<u>L2</u>	L1 and ((two adj copolymers) or (two adj block adj copolymer) or (first and second adj copolymers) or (first and second adj blocks adj copolymers))	354	<u>L2</u>
<u>L1</u>	(ethylene and (higher adj alpha-olefin adj copolymer)) or (ethylene and (alpha-olefin adj block adj copolymer)) or (ethylene and (alpha-olefin adj copolymer)) or (ethylene and (higher adj alpha adj olefin)) or (olefin adj block adj copolymer) or (ethylene adj propylene adj copolymer) or (ethylene adj propylene adj block adj copolymer)	32011	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 5945485 A

Using default format because multiple data bases are involved.

L10: Entry 1 of 9

File: USPT

Aug 31, 1999

US-PAT-NO: 5945485

DOCUMENT-IDENTIFIER: US 5945485 A

TITLE: Viscosity modifier polybutadiene polymers

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Struglinski; Mark Joseph	Bridgewater	NJ		
VerStrate; Gary William	Atlantic Highlands	NJ		
Fetters; Lewis J.	Annandale	NJ		

US-CL-CURRENT: 525/314; 508/591

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 2. Document ID: US 5703171 A

L10: Entry 2 of 9

File: USPT

Dec 30, 1997

US-PAT-NO: 5703171

DOCUMENT-IDENTIFIER: US 5703171 A

TITLE: Viscosity modifier polybutadiene polymers

DATE-ISSUED: December 30, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Struglinski; Mark Joseph	Bridgewater	NJ		
VerStrate; Gary William	Atlantic Highlands	NJ		
Fetters; Lewis J.	Annandale	NJ		

US-CL-CURRENT: 525/314; 525/315

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 3. Document ID: US 5543469 A

L10: Entry 3 of 9

File: USPT

Aug 6, 1996

US-PAT-NO: 5543469

DOCUMENT-IDENTIFIER: US 5543469 A

**** See image for Certificate of Correction ****

TITLE: Viscosity modifier polymers

DATE-ISSUED: August 6, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Struglinski; Mark J.	Bridgewater	NJ		
Ver Strate; Gary W.	Atlantic Highlands	NJ		
Fetters; Lewis J.	Annandale	NJ		

US-CL-CURRENT: 525/314; 508/591, 585/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 4. Document ID: US 5310814 A

L10: Entry 4 of 9

File: USPT

May 10, 1994

US-PAT-NO: 5310814

DOCUMENT-IDENTIFIER: US 5310814 A

TITLE: Viscosity modifier polybutadiene polymers

DATE-ISSUED: May 10, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Struglinski; Mark J.	Bridgewater	NJ		
VerStrate; Gary W.	Atlantic Highlands	NJ		
Fetters; Lewis J.	Annandale	NJ		

US-CL-CURRENT: 525/314; 508/591

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 5. Document ID: US 5310490 A

L10: Entry 5 of 9

File: USPT

May 10, 1994

US-PAT-NO: 5310490
DOCUMENT-IDENTIFIER: US 5310490 A

TITLE: Viscosity modifier polymers

DATE-ISSUED: May 10, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Struglinski; Mark J.	Bridgewater	NJ		
Ver Strate; Gary W.	Atlantic Highlands	NJ		
Fetters; Lewis J.	Annandale	NJ		

US-CL-CURRENT: 508/591; 524/573, 524/575, 525/100, 525/192, 525/250, 525/271,
525/308, 525/309, 525/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 6. Document ID: US 5244590 A

L10: Entry 6 of 9

File: USPT

Sep 14, 1993

US-PAT-NO: 5244590
DOCUMENT-IDENTIFIER: US 5244590 A

TITLE: Viscosity index improver

DATE-ISSUED: September 14, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chung; David Y.	Edison	NJ		
Struglinski; Mark J.	Bridgewater	NJ		

US-CL-CURRENT: 508/591; 508/312, 525/333.8, 526/318.6, 528/502F

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 7. Document ID: EP 422953 A, CA 2026184 C, CA 2026184 A, JP 03179093 A, BR 9005098 A, US 5118433 A, EP 422953 A3, US 5290461 A, US 5348673 A

L10: Entry 7 of 9

File: DWPI

Apr 17, 1991

DERWENT-ACC-NO: 1991-111436
DERWENT-WEEK: 199937

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TITLE: N-contg. grafted degraded ethylene copolymers - obtd. by reacting
poly:amine-unsatd. cpd. prod. with degraded, grafted intramolecular heterogeneous,
intermolecular homogeneous copolymers

INVENTOR: CHUNG, D Y; GUTIERREZ, A ; STRUGLINSKI, M J ; CHUNG, D Y L ; STRUGLINSK,

M J

PRIORITY-DATA: 1989US-0420184 (October 12, 1989), 1992US-0848817 (March 10, 1992),
1993US-0163601 (December 8, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>EP 422953 A</u>	April 17, 1991		046	
<u>CA 2026184 C</u>	May 11, 1999	E	000	C08F008/30
<u>CA 2026184 A</u>	April 13, 1991		000	
<u>JP 03179093 A</u>	August 5, 1991		000	
<u>BR 9005098 A</u>	September 17, 1991		000	
<u>US 5118433 A</u>	June 2, 1992		035	C10M149/06
<u>EP 422953 A3</u>	April 8, 1992		046	
<u>US 5290461 A</u>	March 1, 1994		031	C10M149/06
<u>US 5348673 A</u>	September 20, 1994		032	C10M149/06

INT-CL (IPC): C08F 8/30; C08F 8/34; C08F 287/00; C08L 3/00; C08L 23/36; C08L 51/06;
C08L 91/00; C10L 1/16; C10M 143/00; C10M 149/04; C10M 149/06; C10M 159/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 8. Document ID: CA 2027372 C, EP 422859 A, CA 2027372 A, JP 03179092 A, BR 9005100 A, US 5068047 A, US 5244590 A, EP 422859 B1, DE 69011032 E, US 5401427 A, JP 2950963 B2

L10: Entry 8 of 9

File: DWPI

Jun 10, 2003

DERWENT-ACC-NO: 1991-111355

DERWENT-WEEK: 200345

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TITLE: Novel degraded ethylene copolymers and their grafted prods. etc. - prepd.
from intramolecular heterogeneous, intermolecular homogeneous copolymers

INVENTOR: CHUNG, D Y; STRUGLINSKI, M J ; CHUNG, D Y L ; STRUGLINSK, M J

PRIORITY-DATA: 1989US-0420791 (October 12, 1989), 1991US-0728489 (July 11, 1991),
1993US-0080032 (June 18, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>CA 2027372 C</u>	June 10, 2003	E	000	C08F255/00
<u>EP 422859 A</u>	April 17, 1991		000	
<u>CA 2027372 A</u>	April 13, 1991		000	
<u>JP 03179092 A</u>	August 5, 1991		000	
<u>BR 9005100 A</u>	September 17, 1991		000	
<u>US 5068047 A</u>	November 26, 1991		000	
<u>US 5244590 A</u>	September 14, 1993		036	C10M143/02
<u>EP 422859 B1</u>	July 27, 1994	E	062	C10M143/02
<u>DE 69011032 E</u>	September 1, 1994		000	C10M143/02

US 5401427 A	March 28, 1995	036	C10M145/16
JP 2950963 B2	September 20, 1999	044	C08F008/50

INT-CL (IPC): C08F 6/00; C08F 8/00; C08F 8/50; C08F 20/06; C08F 210/02; C08F 255/00; C08F 255/04; C08F 265/04; C08F 267/04; C08F 299/00; C08L 23/04; C08L 33/06; C08L 51/00; C08L 53/00; C08L 91/00; C10L 1/16; C10L 1/18 ; C10M 129/34; C10M 133/04; C10M 143/02; C10M 145/02; C10M 145/16; C10M 149/06; C10M 151/02; C10M 159/12; C10N 30/02; C10N 30/02; C10N 70/00; C11M 133/04; C11M 143/02; C08F 8/50; C08F 210/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 9. Document ID: EP 422857 A, BR 9005101 A, CA 2027403 A, JP 03181596 A, US 5290868 A

L10: Entry 9 of 9

File: DWPI

Apr 17, 1991

DERWENT-ACC-NO: 1991-111353

DERWENT-WEEK: 199116

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TITLE: N-contg. grafted, degraded ethylene copolymers - obtd. by reacting prim. or sec. poly:amine with degraded, grafted intramolecular heterogeneous, intermolecular homogeneous copolymers

INVENTOR: CHUNG, D Y L; GUTIERREZ, A ; STRUGLINSKI, M J ; CHUNG, D Y ; STRUGLINSKI, M J

PRIORITY-DATA: 1989US-0420793 (October 12, 1989), 1992US-0945825 (September 16, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 422857 A	April 17, 1991		000	
BR 9005101 A	September 17, 1991		000	
CA 2027403 A	April 13, 1991		000	
JP 03181596 A	August 7, 1991		000	
US 5290868 A	March 1, 1994		028	C08F255/04

INT-CL (IPC): C08F 255/04; C08F 265/10; C08F 299/00; C08L 53/00; C10L 1/22; C10M 143/02; C10M 145/10; C10M 149/06; C10M 159/12; C10N 30/02; C10N 60/00; C11M 143/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Terms	Documents
L9 and ((intramolecular adj chain adj segment) or (intramolecular adj segment) or (intermolecular adj chain adj segment) or (intermolecular adj homogeneous) or (intramolecularly adj homogeneous))	9